

Notice of Allowability

Application No.

10/070,326

Examiner

Jeffrey R. Swearingen

Applicant(s)

SESMUN ET AL.

Art Unit

2145

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to remarks of 2/15/07.
2. ☒ The allowed claim(s) is/are 9-20.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


JASON CARDONE
SUPERVISORY PATENT EXAMINER

DETAILED ACTION

1. The objection to the title is withdrawn based upon amendment.

Allowable Subject Matter

2. Claims 9-20 are allowed.
3. The following is an examiner's statement of reasons for allowance:

Applicant claimed a method and network for updating DNS entries involving mobile terminals.

Applicant's system consisting of only the following components:

A first domain, the first domain consisting only of the following components:

A mobile terminal

A DNS Name Server for the first domain

A first subnet within the first domain

A second domain consisting of only the following components:

A DNS Name Server for the second domain

A second subnet within the second domain

A third subnet within the second domain

Applicant explicitly stated that domains and subnets are not the same in this invention. See Applicant's remarks, 2/15/2007, page 8, first full paragraph, last sentence: "A subnet is not the same as a domain."

Applicant's claimed invention originates a mobile terminal at the first subnet in the first domain, and moves to a second subnet in a second domain. When the mobile terminal moves to the second subnet, both the first and second DNS name servers are updated, the first DNS server being updated by the second DNS server.

When the terminal moves from the second subnet to the third subnet, only the second DNS server is updated with the change from the second subnet to the third subnet. The first DNS server in the first domain is NEVER updated with this change. See Applicant's remarks,

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2/15/2007, page 8, first full paragraph: "It is the DNS main server of the *second* domain that is updated for that third subnet." [Emphasis in original]

Applicant's dependent claims add the possibility of a third domain, [see claim 19 for example], but adds the unique twist where the DNS server in the third domain updates the first DNS server in the first domain, which in turn updates the second DNS server in the second domain. No updates ever occur between the second and third DNS servers. The second DNS server only updates the first DNS server when the mobile terminal moves from the first subnet in the first domain to the second subnet in the second domain. The second DNS server at no other time updates the first DNS server in the first domain.

This unique method of selectively updating DNS servers within only three domains [note the third domain has no subnet present] is clearly distinguished over the prior art. The selective DNS updating is not present in any Mobile IP spec. Rai et al., which teaches a similar system (US 6,393,482) again does not have the selective updating of DNS servers where only the second DNS server is updated and the first DNS server is never updated for a movement from a second subnet in a second domain to a third subnet in a second domain after initiating from a first subnet in a first domain, wherein the first domain and the second domain have separate, DNS name servers specific to each individual domain.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
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|------------------|--------------|
| Alkhatib | US 6,119,171 |
| Sitaraman et al. | US 6,243,749 |
| Rai et al. | US 6,393,482 |

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Alkhatib et al.	US 6,421,732
Millet et al.	US 6,434,627
Inoue et al.	US 6,587,882

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrey R. Swearingen whose telephone number is (571) 272-3921. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason Cardone can be reached on 571-272-3933. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Jason Cardone
Supervisory Patent Examiner
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